PHOTOGRAPHIC INTERPRETATION REPORT

25X1 NPIC/R-1508/63 October 1963

# MISSION COVERAGE INDEX

MISSION

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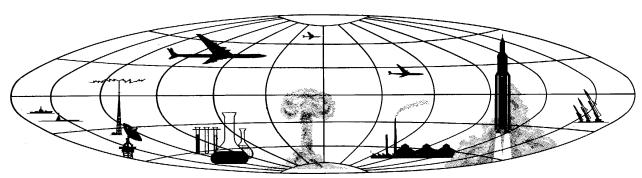
**30 AUGUST 1963** 



CIA



#### NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



GROUP 1
Excluded from automatic
downgrading and declassificat

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### WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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#### PREFACE

	PREFACE
This Miss	25X1 sion Coverage Index (MCI) lists items of intelligence interest in China
ınd North Vie	etnam covered by aerial photographic material from CHURCH DOOR
Mission 📗	dated 30 August 1963 and
I	tems in the compilation are arranged in three sections:
Section I	provides summary information for a) newly identified targets,
	b) previously reported targets which show a change, and c) all
	targets showing order of battle information.
Section II	provides a listing of those targets which reflect no change in
	facilities from previous target description. The mission number
	shown on the photo reference line (e.g., NAC refers to
	the MCI which contains the most adequate description of that
	target. Military installations where no order of battle can be
	determined are listed under this section.
Section II	provides a listing of those targets which could be identified but
	not interpreted.
All three	sections are arranged 1) by country, 2) within a country by subject,
	The state of the s

All three sections are arranged 1) by country, 2) within a country by subject, 3) within a subject by WAC area, and 4) within a WAC area by coordinates reading from south to north and from west to east.

For the convenience of the user, a subject index to all targets has been included following Section III. Targets in the subject index are listed 1) by category, 2) by country within each category, and 3) alphabetically by place name within each country. Column headings, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography are explained in the appendix.

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The user of this MCI is cautioned that the scan of photography was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, it may be altered somewhat by additional detailed analysis.

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## SECTION I

THIS SECTION PROVIDES SUMMARY INFORMATION FOR A) NEWLY IDENTIFIED TARGETS, B) PREVIOUSLY REPORTED TARGETS WHICH SHOW A CHANGE, AND C) ALL TARGETS SHOWING ORDER OF BATTLE INFORMATION.

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City, Installation	Coordinates	WAC	Installation Number	
			BE	NPIC
-CHINA- AIR INSTALLATIONS			25X1	
KUN-MING AIRFIELD  3.5 NM SE OF KUN-MING.  10,650 X 220 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.  FACILITIES INCLUDE PARALLEL TAXIWAY NW OF RUNWAY WITH 3 CROSSOVER LINKS, DISPERSAL AREA, AND PARKING APRONS AT CENTER, NE END, AND ALONGSIDE TAXIWAY.  AIRCRAFT 31 FAGOT/FRESCO, 4 COLT, AND 2	2459N 10244E	Ø496		11-
CRATE.  LIU-CHOU AIRFIELD  2 NM SSW DF LIU-CHOU.  AIRFIELD SITE 60 PER CENT CLOUD COVERED.  NO APPARENT CHANGE SINCE  DBSERVED IN CLOUD-FREE AREAS.  AIRCRAFT 2 CAB AND ONE CRATE.	2417N 1Ø923E	Ø497 25X1		17=
LUNG-CHI AIRFIELD  2.5 NM NORTH OF LUNG-CHI.  NO APPARENT CHANGE IN FACILITIES SINCE  AIRCRAFT 26 FAGOT/FRESCO AND ONE  UNIDENTIFIED SINGLE-ENGINE STRAIGHT-WING	2434N 11739E	Ø498 25X1		31
AIRCRAFT.  LIEN-CHENG AIRFIELD  2.5 NM SOUTH OF LIEN-CHENG.	2540N 11645E			29

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					Installation	Numbers
	City, Installation	Coording	ates	WAC	BE	NPIC
SERVICE FACILIT HANGARS WITH 3 CROSSOV FOUR DO AAA POS OCCUPIE	( 200 FT NNE/SSW CONCRETE RUNWAY, EABLE. TIES INCLUDE 2 CONTROL TOWERS, 2 5, FIRING-IN BUTT, PARALLEL LOOP TAXIWAY PARKING APRONS, 5 ALERT APRONS, 3 //ER LINKS, AND 31 REVETTED HARDSTANDS. CCUPIED 6-GUN AAA POSITIONS, ONE 6-GUN SITION (5 EMPLACEMENTS OCCUPIED), AND 2 ED 4-GUN AAA POSITIONS OBSERVED. ET 11 FAGOT/FRESCO AND ONE COLT.			:	25X1	
2.8 NM KUANG-( APPROX RUNWAY 1,200 OVER S. RUNWAY PROBAB NNE EN: FACILI RUNWAY OF RUN END OF	AN-HAI AIRFIELD  NNW DE NAN-HAI AND 8.1 NM WEST DE CHOU (CANTON). IMATELY 7,500 X 200 FT NNE/SSW CONCRETE , SERVICEABLE, WITH APPROXIMATELY FT OVERRUNS AT EACH END (CLOUD COVER SW END DE RUNWAY PRECLUDES PRECISE MEASUREMENTS). LE DETERIORATION OF SURFACE OBSERVED AT D OF RUNWAY. TIES INCLUDE PARALLEL TAXIWAY WEST OF , LOOP TAXIWAY WITH 31 HARDSTANDS WEST WAY, AND 4 PARKING APRONS, ONE AT EACH AND ALONG PARALLEL TAXIWAY. FT 31 FAGOT/FRESCO AND ONE SMALL HT-WING SINGLE-ENGINE AIRCRAFT.	23Ø5N	11304E	Ø614		2-
SHUT-KOU	AIRFIELD M ESE OF HUI-YANG.	23Ø3N	11436E	Ø614	*	34

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City, Installation	Coordinates	WAC -	C Installation Numb	
City, instantion		""	BE	NPIC
BUILDINGS, PARALLEL TAXIWAY, 2 CROSSOVER				
LINKS, 4 PARKING APRONS, FIRING-IN BUTT,				
AND 2 DISPERSAL TAXIWAYS WITH 25 REVETTED			}	
HARDSTANDS.				
UNDCCUPIED AAA SITES OBSERVED AT NORTH,		25X1		
EAST, AND SOUTH SIDES OF AIRFIELD. AIRCRAFT 18 FAGOT/FRESCO.				
AINCRAFT 18 FAGOTYFRESCO.				
			<del></del>	
SWATOW AIRFIELD NORTHEAST	2325N 11645E	Ø614		37-
APPROXIMATELY 6 NM NE OF SHAN-TOU (SWATOW).				
AIRFIELD SITE NOT OBSERVED DUE TO INCOMPLETE			ŀ	
PHOTOGRAPHIC COVERAGE EXCEPT 13 REVETTED				
CONCRETE HARDSTANDS OBSERVED APPROXIMATELY 3				
NM NW OF AIRFIELD SITE AT DISPERSAL AREA				
CONNECTED TO RUNWAY BY CONCRETE TAXIWAY.				
AIRCRAFT NONE OBSERVED.			ll l	
HAI-KOU AIRFIELD	2001N 11021E	Ø615		6-
ONE NM SOUTH OF HAI-KOU.	TODIN IIDZIC	2017	li li	0-
AIRFIELD SITE 90 PER CENT CLOUD COVERED,				
PRECLUDING INTERPRETATION OF RUNWAY				
DIMENSIONS OR FACILITIES.				
AIRCRAFT 21 PROBABLE FAGOT/FRESCO OBSERVED				
IN CLOUD-FREE AREAS.				
NAN-NING AIRFIELD SOUTH	2236N 1Ø81ØE	Ø615		14-
15 NM SW OF NAN-NING.				
NE/SW CONCRETE RUNWAY, SERVICEABLE (DIMENSIONS				
UNDETERMINED DUE TO INCOMPLETE PHOTOGRAPHIC				
COVERAGE). FACILITIES. NORTH OF RUNWAY. INCLUDE PARALLEL.				
TAXIWAY, POSSIBLY STILL UNDER CONSTRUCTION,				
EMAIRMING GOODER STILL GROLD CORSENOUSIONS				
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City, Installation	Coordinates	WAC	Installation Numbers	
City, installation	Containates	"AC	BE	NPIC
AND PÄRKING APRON. AIRCRAFT 2 PROBABLE CAB AND ONE PROBABLE COACH/CRATE.		2	5X1	
NAN-NING AIRFIELD  EAST EDGE OF NAN-NING.	2249N 1Ø82ØE	Ø615	[	14-0
4,600 X 150 FT E/W GRADED EARTH RUNWAY, SERVICEABLE. FACILITIES INCLUDE PASSENGER TERMINAL AND 2 ASSOCIATED BUILDINGS.				
AIRCRAFT NONE OBSERVED.				
MENG-TZJ AIRFIELD WEST  6 NM WNW OF MENG-TZU ON SE SHORE OF TA-TUN HAI (LAKE).  7,700 X 165 FT NW/SE CONCRETE RUNWAY,	2324N 10319E	Ø616		7-1
SERVICEABLE.  NO APPARENT CHANGE IN FACILITIES SINCE  EXCEPT 5 UNOCCUPIED  6-GUN AAA SITES AND NEW EW RADAR SITE  38SERVED.	]	2	5X1	
AIRCRAFT 36 FRESCO.				
AILITARY/NAVAL INSTALLATIONS				
PO-HSI-CHIEH AREA, MILITARY INSTALLATION 2 NM NNE OF PO-HSI-CHIEH. INSTALLATION CONTAINS APPROXIMATELY 225 BUILDINGS, INCLUDING BARRACKS, ADMINISTRATIVE, AND SUPPORT TYPES.	2415N 10306E	Ø496		20-
		2	5X1	

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City, Installation		linates	WAC	Installation Number	
				25X1	NPIC
I-LIANG ARMY BARRACKS SOUTH NO 1 2.5 NM SOUTH OF I-LIANG. PARTIALLY SECURED, PROBABLY OCCUPIED BARRACKS AREA CONTAINS 72 BARRACKS; 18 ADMINISTRATIVE-	2454N	10309E	Ø496	20/(1	29
TYPE BUILDINGS, 45 STORAGE/SUPPORT BUILDINGS, AND PROBABLE SMALL ARMS FIRING RANGE.  NO VEHICLES, EQUIPMENT, OR NEW CONSTRUCTION OBSERVED.				25X1	1
I-LIANG ARMY BARRACKS NORTH  5 NM NNE OF I-LIANG.	2500N	10311E	Ø496		29-
INSTALLATION COMPRISES APPROXIMATELY 350 BUILDINGS, INCLUDING BARRACKS, ADMINISTRATIVE, STORAGE, AND SUPPORT TYPES, FIRING RANGE, AND TRAINING AREA WITH NUMEROUS TRENCH SYSTEMS.					
CHANG-PU AREA, MILITARY ACTIVITY OLD, UNOCCUPIED FORTIFICATIONS OBSERVED EAST AND NW OF CHANG-PU. NO OTHER MILITARY ACTIVITY OBSERVED.	2487N	11735E	Ø498		9-
HSIA-MEN TAD, COASTAL ARTILLERY EMPLACEMENTS NUMEROUS GUN POSITIONS, STRONGPOINTS, FORTIFICATIONS, AND INTERCONNECTING TRENCH-	2427N	11810E	Ø498		1-
WORKS OBSERVED ALONG EAST COAST OF HSIA-MEN TAO (ISLAND).  YUNG-AN AMMUNITION DEPOT: 2.NM.SE OF YUNG-AN.	2557N :	11722E	Ø498	25X1	52

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City, Installation		WAC	Installation Number	
City, institution	Coordinates	1	BE	NPIC
STORAGE BUILDINGS. BARRACKS AREA AT SE CORNER OF FENCED DEPOT CONTAINS 8 BARRACKS, ONE MESS HALL, AND ONE T-SHAPED ADMINISTRATIVE AND 6 MISCELLANEOUS SUPPORT BUILDINGS.				
SHA-CHIAO AREA, MILITARY BARRACKS AREA .5 NM SOUTH OF SHA-CHIAO. MILITARY AREA CONTAINS APPROXIMATELY 3Ø BARRACKS-TYPE AND APPROXIMATELY 25 ADMINISTRATIVE/SUPPORT BUILDINGS. TRAINING AREA OBSERVED IMMEDIATELY SOUTH OF CAMP.	2246N 1134Ø		25X1	8Ø
CHANG-MU-TOU ARMY BARRACKS WEST AT CHANG-MU-TOU. INSTALLATION, COMPRISING 4 SEPARATE BARRACKS AREAS AND TRANSLOADING POINT, CONTAINS A TOTAL OF APPROXIMATELY 120 BARRACKS AND 50 BARRACKS/SUPPORT-TYPE, 12 ADMINISTRATIVE, AND 170 OTHER BUILDINGS.	2253N 11401	E Ø614		28
MA-LING, MILITARY INSTALLATION  AT MA-LING AND 12.5 NM SW OF HUI-YANG.  INSTALLATION CONTAINS APPROXIMATELY 100  BUILDINGS, INCLUDING BARRACKS, ADMINISTRATIVE,  AND STORAGE TYPES.  TRAINING AREA OBSERVED ON NE EDGE OF  INSTALLATION.	2257N 11411	E Ø614		28-
KAD-PU-TZU, MILITARY AREA AT KAO-PU-TZU AND 8.5 NM SW OF HUI-YANG.	2259N 11418		25X1	28-

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City, Installation	C 1: .	W <sub>4</sub> C	Installatio	on Numbers
City, Installation	Coordinates	WAC	BE	NPIC
MILITARY AREA COMPRISES LARGE DRIVER TRAINING AREA AND 2 SEPARATE BARRACKS AREAS CONTAINING A TOTAL OF 62 BARRACKS AND 8 ADMINISTRATIVE, APPROXIMATELY 73 STORAGE, 18 SUPPORT, AND 12 PROBABLE AMMUNITION STORAGE BUILDINGS. NUMEROUS TRENCHES, EMPLACEMENTS, AND REVETMENTS AND EXTENSIVE TRACK ACTIVITY OBSERVED THROUGHOUT AREA. NO VEHICLES OBSERVED.				·
HAI-FENG AREA, MILITARY BARRACKS AREA 1.5 NM EAST OF HAI-FENG. AREA CONTAINS 49 BARRACKS AND ONE LARGE ADMINISTRATIVE AND 16 SMALLER SUPPORT BUILDINGS. PROBABLE TRAINING AREA OBSERVED ON EAST EDGE OF INSTALLATION.	2258N 11524E	Ø614 .		69-A
AO-HSIA, MILITARY BARRACKS AND STORAGE AREA AT AO-HSIA AND 5 NM SW DE HUI-YANG. BARRACKS AND STORAGE AREA CONTAINS 17 LARGE WAREHOUSE-TYPE, APPROXIMATELY 60 BARRACKS/ SUPPORT-TYPE, AND ONE LARGE ADMINISTRATIVE BUILDING. LARGE TRAINING AREA, APPROXIMATELY ONE NM NW OF BARRACKS AND STORAGE AREA, CONTAINS SEVERAL TRENCH NETWORKS, PROBABLE MACHINEGUN REVETMENTS;	2302N 11420E	<b>361</b> 4		1
HSIA-KENG, MILITARY BARRACKS AREA IMMEDIATELY WEST OF HSIA-KENG. BARRACKS AREA FIRST REPORTED ON MISSION	2331N 11644E	ø614 25 25		37-V4

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City, Installation	Coordinates	WAC	Installation Number	
City, institution			BE	NPIC
APPEARS TO BE NON-MILITARY AREA WITH 15 STORAGE/SUPPORT BUILDINGS.		2	25X1	
PU-TOU-FOU ARMY BARRACKS 7 NM SE DF CHAD-AN. BARRACKS AREA CONTAINS A TOTAL OF APPROXIMATELY 45 BUILDINGS, INCLUDING BARRACKS AND SUPPORT TYPES. NO VEHICLES OBSERVED.	2339N 11647E	Ø614 2	25X1	37-
CHAD-AN ARMY BARRACKS NORTHWEST  ONE NM NW OF CHAD-AN.  BARRACKS AREA CONTAINS 95 BARRACKS, 12  ADMINISTRATIVE BUILDINGS, APPROXIMATELY 65  STORAGE/SUPPORT BUILDINGS, NUMEROUS TRENCHES,  AND 5 CARGO TRUCKS.	234ØN 11638E	Ø614		37-
TRAINING AREA OBSERVED AT NORTH EDGE OF BARRACKS AREA.		2	25X1	
CHAD-AN ARMY BARRACKS EAST  2.5 NM ENE OF CHAD-AN.  BARRACKS AREA CONTAINS A TOTAL OF APPROXIMATELY 115 BARRACKS/SUPPORT-TYPE  AND ONE ADMINISTRATIVE BUILDING.  NO VEHICLES OBSERVED.	2340N 11641E	Ø514 2	25X1	37
CHANG-CHI ARMY BARRACKS SOUTH  14 NM EAST OF CHAO-AN.  BARRACKS AREA CONTAINS 57 BARRACKS, 7  ADMINISTRATIVE BUILDINGS, APPROXIMATELY 45  SUPPORT/STORAGE BUILDINGS, AND APPROXIMATELY.	2343N 11652E	Ø614	25X1	37-

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		T	Installati	on Numbers
City, Installation	Coordinates	WAC	BE	NPIC
10 UNIDENTIFIED VEHICLES.  TWO TRAINING AREAS OBSERVED, ONE ON NW EDGE AND THE OTHER ON EAST EDGE OF BARRACKS AREA.  NUMEROUS TRENCHES OBSERVED THROUGHOUT AREAS.  CHIUNG-SHAN AREA, MILITARY BARRACKS TWO BARRACKS AREAS IN CHIUNG-SHAN VICINITY.  AREA A (SW EDGE OF CHIANG-SHAN) 28 BARRACKS AND 30 MISCELLANEOUS BUILDINGS.  AREA B (APPROXIMATELY 1.5 NM SW OF CHIANG-SHAN) 30 BARRACKS AND AT LEAST 26 MISCELLANEOUS BUILDINGS.  HAI-KOU AREA, PORT AND NAVAL BASE APPROXIMATELY 4 NM WSW OF HAI-KOU.  PORT AND NAVAL BASE COMPRISE 2 LONG BREAKWATERS (ONE ON EAST SIDE OF HARBOR AND THE OTHER APPROXIMATELY PARALLEL TO SHORE), ROAD-SERVED T-HEAD PIER ON WEST SIDE OF HARBOR, AND QUAY AND SEVERAL SMALL PIERS	2000N 11020E	Ø615		4) 6(
EAST OF T-HEAD PIERS APPROXIMATELY 20 CARGO TRUCKS OBSERVED ON T-HEAD PIERS VESSELS 3 PROBABLE COASTAL FREIGHTERS AND NUMEROUS SMALL CRAFT.  CHAN-CHIANG NAVAL BASE EAST EDGE OF CHAN-CHIANG. NO APPARENT CHANGE IN FACILITIES SINCE  CLOUD-FREE AREAS.	2112N 11025E		5X1	1-

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City, Installation	Coordinates	WAC	Installation Numbers	
31.77	Coordinates	""	BE	NPIC
VESSELS 3 LARGE FREIGHTERS, ONE TANKER, 2		İ		
SMALLER COASTAL FREIGHTERS, AND 4 PROBABLE				
COASTAL FREIGHTERS.		ĺ		
TUNG-LO AREA, MILITARY DEPOT/BARRACKS	2224N 10741E	Ø615		32
NO MILITARY ACTIVITY OBSERVED IN AREA.	data			
DEPOT/BARRACKS AREAS PREVIOUSLY REPORTED IN				
ARE APPARENTLY		1		
WORKERS HOUSING AREAS.				
NIU-TSA AREA, BARRACKS AREA	2259N 10224E	Ø616		40-
3.5 NM NORTH OF NUI-TSA.	2239N 18224E	8010		70.
BARRACKS AREA CONTAINS 5 MESS HALLS AND 25				
BARRACKS-TYPE AND APPROXIMATELY 20 SMALL				
SUPPORT BUILDINGS.				
HO-KOU AREA, MILITARY CAMP	2232N 10357E	0616		26
1.5 NM NORTH OF HO-KOU.				
CAMP CONTAINS 2 MESS HALLS, AND 11 BARRACKS-		1		1
TYPE, ONE T-SHAPED AND ONE OTHER ADMINISTRATIVE, AND APPROXIMATELY 10 SUPPORT		į		İ
BUILDINGS. STORAGE AREA IMMEDIATELY NORTH OF				
CAMP CONTAINS 7 BUILDINGS.				
CHAIR CONTRAINS I BUILDINGS				
NA-FA-TUI-HSUN AREA, BARRACKS AREA	2238N 10305E	0616		49
4.5 NM WNW OF NA-FA-TUI-HSUN.				
SMALL BARRACKS AREA CONTAINS 4 BARRACKS, ONE				
MESS HALL, AND ONE ADMINISTRATIVE AND				
APPROXIMATELY 10 SUPPORT BUILDINGS.		į		
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Installation Numbers WAC Coordinates City, Installation BE 2259N 10425E Ø616 23-A MA-KUAN AREA, BARRACKS AREA 1.8 NM SE OF MA-KUAN. PARTIALLY SECURED AREA CONTAINS 8 BARRACKS, 2 MESS HALLS, AND ONE ADMINISTRATIVE AND ONE 25X1 SUPPORT BUILDING. 2322N 1Ø323E Ø616 7-B MENG-TZU ARMY BARRACKS SOUTH WEST AND SW EDGE OF MENG-TZU. BARRACKS AREA CONTAINS APPROXIMATELY 300 BARRACKS AND APPROXIMATELY 75 SUPPORT AND 8 ADMINISTRATIVE BUILDINGS. KAI-YUAN, MILITARY INSTALLATION 2342N 10314E Ø616 12 IMMEDIATELY NORTH OF KAI-YUAN. MILITARY INSTALLATION CONTAINS 55 BARRACKS-TYPE AND APPROXIMATELY 50 STORAGE/SUPPORT BUILDINGS AND MOTOR POOL. 2318N 10527E 0616 21-A TIEN-PENG, MILITARY BARRACKS AREA .6 NM ENE OF TIEN-PENG AND 1.1 NM ENE OF NORTH VIETNAM-CHINA BORDER. SMALL MILITARY AREA CONTAINS 4 BARRACKS AND ONE ADMINISTRATIVE, ONE ADMINISTRATIVE/ SUPPORT, AND AT LEAST 3 SUPPORT BUILDINGS. TUNG-KAN AREA, PROB MILITARY INSTALLATION 2321N 10509E 0616 18 .5 NM WNW OF TUNG-KAN. PROBABLE MILITARY INSTALLATION CONTAINS 15 BARRACKS-TYPE AND APPROXIMATELY 15 ASSOCIATED SUPPORT BUILDINGS. 25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
CHING-HSI AREA, BARRACKS AREA ONE NM NE OF CHING-HSI. SMALL BARRACKS AREA CONTAINS 13 BARRACKS, 12 SUPPORT BUILDINGS, AND ATHLETIC FIELD. ROAD-CONNECTED SMALL SUPPORT AREA, .3 NM EAST OF BARRACKS AREA, CONTAINS 4 STORAGE-TYPE BUILDINGS.	2309N 10625E	Ø616		2Ø-A
ELECTRONICS/COMMUNICATIONS  KUN-MING AREA, MF COMMUNICATIONS STATION 5 NM NNE OF KUN-MING. SMALL MF COMMUNICATIONS STATION COMPRISES ONE	2507N 10245E	Ø496		1 <b>1</b> L
GUY-WIRE SUPPORTED, VERTICAL, LATTICE RADIATOR AND SMALL SECURED SUPPORT AREA WITH ONE PROBABLE CONTROL BUILDING AND 2 OTHER BUILDINGS.				
J-FENG AREA, PROB ELECTRONICS INSTALLATION 13.5 NM NW OF LU-FENG. INSTALLATION WITH AT LEAST 6 SEPARATE AREAS OBSERVED THROUGH SCATTERED CLOUDS. TWO AREAS HAVE IDENTICAL CONFIGURATIONS AND EACH CONTAINS 4 PROBABLE ELECTRONIC TOWERS AND 4 ASSOCIATED PROBABLE ELECTRONIC VANS. SUPPORT AREA CONTAINS 5 BARRACKS-TYPE AND 2 SUPPORT BUILDINGS, AND ANOTHER AREA CONTAINS 9-GUN PROBABLE AAA POSITION. ONE UNIDENTIFIED AREA CONTAINS SUPPORT BUILDING AND 5 PROBABLE REVETTED ELECTRONIC-TYPE VANS, AND ANOTHER UNIDENTIFIED AREA CONTAINS 4 SMALL AND 2 LARGE	2305N 11527E	Ø614		56 <b>-</b> A

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	City, Installation	Coor	Coordinates		Installation Nu BE	
	City, installation				ВЕ	NPIC
PEI-HU-T 3.5 NM PARTIA SITUAT	T-TYPE BUILDINGS.  SUN EW RADAR SITE  WNW OF NAN-NING.  LLY ENTRENCHED EARLY WARNING RADAR SITE,  ED ON SMALL HILLTOP, COMPRISES SCR-270	225ØN	1Ø815E	Ø615		33
MASTS,  MENG-TZU  1.2 NM SITE C GENERA BUILDI	POSSIBLE ROCK CAKE RADAR, 4 STICK AND 3 CONTROL BUILDINGS.  AIRFIELD WEST, EW RADAR SITE ENE OF MENG-TZU AIRFIELD WEST. ONTAINS ONE SCR-27Ø-TYPE RADAR, TOR TRUCK, AND PROBABLE CONTROL NG. LE SUPPORT AREA UNDER CONSTRUCTION	2325N	10321E	Ø616		7
CONTAI NORTH INDUSTRY	NING 8 BUILDINGS OBSERVED IMMEDIATELY OF RADAR SITE.	2447N	1Ø235E	Ø496		28
8 NM N INDUST UNIDEN PROCES HOUSIN	ORTH OF KUN-YANG.  RIAL COMPLEX COMPRISES 5 SMALL  RIFFED INDUSTRIAL AREAS, ONE ORE  SSING PLANT, AND SEVERAL WORKERS  IG AREAS.  RIFFED INDUSTRY OBSERVED 2.5 NM NORTH OF	:				
	[AD-TSUN AREA, PROB ORE PROC INDUSTRY . MINING COMPLEX, EXTENDING NORTH FROM	2459N	1Ø3Ø1E	ø496 25	<b>Y</b> 1	23

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City, Installation	Coordinates	Coordinates WAC	
	3553714183		BE NPIC
TSAO-CHIAO-TSUN AND APPROXIMATELY 8 SQ MI IN AREA, COMPRISES SEVERAL OPEN PIT WORKS WITH ASSOCIATED PROCESSING, ADMINISTRATIVE, AND HOUSING AREAS.  NO MINING ACTIVITY OBSERVED IN CLOUD-FREE AREAS ON WEST SIDE OF YANG-TSUNG HAI (LAKE).			
LIU-CHOU AREA, CEMENT PLANT 8.5 NM WNW OF LIU-CHOU.	2422N 1Ø915E	Ø497	17-
SECURED, RAIL-SERVED PLANT CONTAINS ROTARY KILN, SILOS, MIXING/SETTLING TANK, AND APPROXIMATELY 20 ASSOCIATED BUILDINGS. MINE OBSERVED APPROXIMATELY ONE NM NE OF PLANT, AND HOUSING AREA OBSERVED IMMEDIATELY EAST OF PLANT.			
PAI-CHIAO, PROBABLE DRE SMELTER & CONCEN PLANT ONE NM ESE DF PAI-CHIAO.	2428N 11758E	Ø498	77
NO APPARENT CHANGE IN FACILITIES SINCE MISSION  SMALL BRIDGE OR CULVERT WEST OF PLANT OUT OF SERVICE SEVERING RAILROAD SPUR CONNECTION TO PLANT.		25)	X1
MAD-MING SHALE DIL PLANT:  14.5 NM ENE DF HUA-HSIEN.  ONLY NORTHERN SECTOR OF PROBABLY LARGE PLANT AREA (SIZE UNDETERMINED) VISIBLE DUE TO: INCOMPLETE PHOTOGRAPHIC COVERAGE. PLANT APPARENTLY IN LATE STAGES OF CONSTRUCTION WITH SMOKE EMITTING FROM ONE STACK AT SHALE DIL RETORT, INDICATING	2141N 11054E	Ø615 [	13-
		25	X1

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WEST AND NW OF MENG-TZU.  LARGE, NON-FERROUS MINING AND PROCESSING COMPLEX COMPRISES MINES (23-22N 103-16E), ORE PROCESSING (23-23N 103-17E), HEAT PROCESSING (23-28N 103-17E), SMELTER (23-30N 103-16E), AND RAILROAD SPUR (23-27N 103-19E TO 23-19N 103-12E), ALL UNDER CONSTRUCTION. CONSTRUCTION ACTIVITY IS VERY SLIGHT AND POSSIBLY SUSPENDED. INDUSTRIAL PLANTS ARE NOT IN OPERATION.  CHUANG-HU AREA, MINING COMPLEX AT CHUANG-HU AND 7 NM NNW OF KAI-YUAN. MINING COMPLEX, 4 SQ MI IN AREA, CONTAINS OPEN-PIT MINES ON BOTH SIDES OF NAN-PAN CHIANG (RIVER), 5-TRACK CLASSIFICATION YARD, NUMEROUS RAILROAD SPURS, PROCESSING PLANTS, HOUSING/SUPPORT BUILDINGS, AND NUMEROUS BUILDINGS IN MID-STAGE OF CONSTRUCTION IN NW SECTION OF COMPLEX.  BASIC:SERVICES	City, Installation	Coordinates		WAC -	Installation Numbers		
EXTENSIVE STRIP MINING ACTIVITY OBSERVED NORTH AND NW OF PLANT.  MENG-TZU AREA, MINING-PROCESSING ACTIVITY WEST AND NW OF MENG-TZU. LARGE, NON-FERROUS MINING AND PROCESSING COMPLEX COMPRISES MINES (23-22N 103-16E), ORE PROCESSING (23-28N 103-17E), SMELTER (23-30N 103-16E), AND RAILROAD SPUR (23-27N 103-19E TO 23-19N 103-12E), ALL UNDER CONSTRUCTION. CONSTRUCTION ACTIVITY IS VERY SLIGHT AND POSSIBLY SUSPENDED. INDUSTRIAL PLANTS ARE NOT IN OPERATION.  CHUANG-HU AREA, MINING COMPLEX AT CHUANG-HU AND 7 NM NNW OF KAI-YUAN. MINING COMPLEX, 4 SQ MI IN AREA, CONTAINS OPEN-PIT MINES ON BOTH SIDES OF NAN-PAN CHIANG (RIVER), 5-TRACK CLASSIFICATION YARD, NUMEROUS RAILROAD SPURS, PROCESSING PLANTS, HOUSING/SUPPORT BUILDINGS, AND NUMEROUS BUILDINGS IN MID-STAGE OF CONSTRUCTION IN NW SECTION OF COMPLEX.  BASIC SERVICES  HUA-NING-HUNG-CHI-CHEN, ROAD THO-LANE, SERVICEABLE, GRAVEL ROAD, ORIENTED GENERALLY E/W, OBSERVED FROM HUA-NING						BE	NPIC
CONSTRUCTION ACTIVITY IS VERY SLIGHT AND POSSIBLY SUSPENDED. INDUSTRIAL PLANTS ARE NOT IN OPERATION.  CHUANG-HU AREA, MINING COMPLEX AT CHUANG-HU AND 7 NM NNW OF KAI-YUAN. MINING COMPLEX, 4 SQ MI IN AREA, CONTAINS OPEN-PIT MINES ON BOTH SIDES OF NAN-PAN CHIANG (RIVER), 5-TRACK CLASSIFICATION YARD, NUMEROUS RAILROAD SPURS, PROCESSING PLANTS, HOUSING/SUPPORT BUILDINGS, AND NUMEROUS BUILDINGS IN MID-STAGE OF CONSTRUCTION IN NW SECTION OF COMPLEX.  BASIC SERVICES  HUA-NING-HUNG-CHI-CHEN, ROAD TWO-LANE, SERVICEABLE, GRAVEL ROAD, ORIENTED GENERALLY E/W, OBSERVED FROM HUA-NING	EXTENSIVE STE AND NW OF PLA MENG-TZU AREA, WEST AND NW O LARGE, NON-FE COMPLEX COMPE ORE PROCESSING (2	MINING-PROCESSING ACTIVITY  MINING-PROCESSING ACTIVITY  F MENG-TZU.  RROUS MINING AND PROCESSING  ISES MINES (23-22N 103-16E),  IG (23-23N 103-17E), HEAT  13-28N 103-17E), SMELTER (23-30N	2328N	10315E	Ø615		7
BASIC SERVICES  HUA-NINGHUNG-CHI-CHEN, ROAD  TWO-LANE, SERVICEABLE, GRAVEL ROAD, ORIENTED  GENERALLY E/W, OBSERVED FROM HUA-NING	TO 23-19N 103 CONSTRUCTION POSSIBLY SUSP IN OPERATION.  CHUANG-HU AREA; AT CHUANG-HU MINING COMPLE OPEN-PIT MINE CHIANG-(RIVEP NUMEROUS RAIL HOUSING/SUPPO BUILDINGS IN	-12E), ALL UNDER CONSTRUCTION. ACTIVITY IS VERY SLIGHT AND ENDED. INDUSTRIAL PLANTS ARE NOT  MINING COMPLEX AND 7 NM NNW OF KAI-YUAN. X, 4 SQ MI IN AREA, CONTAINS S ON BOTH SIDES OF NAN-PAN .), 5-TRACK CLASSIFICATION YARD, ROAD SPURS, PROCESSING PLANTS, RT BUILDINGS, AND NUMEROUS MID-STAGE OF CONSTRUCTION IN NW	2349N	103125	Ø615		47
	BASIC SERVICES HUA-NINGHUNG- TWO-LANE, SER GENERALLY E/F	CHI-CHEN, ROAD VICEABLE, GRAVEL ROAD, ORIENTED DOBSERVED FROM HUA-NING	2411N	10256E	Ø496		37
		Cay IC NOTE ONLY			25	<b>Y</b> 1	

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	<u> </u>		Installation	Numbers
City, installation	Coordinates	WAC	BE	NPIC
(24-Ø9N 1Ø3-Ø3E).  (UN-MING AREA, HYDRO POWER SYSTEM 15 NM SW OF KUN-MING. SMALL HYDRO-ELECTRIC POWER PLANT OBSERVED ON HAI-KOU HO (RIVER). SCATTERED-TO-HEAVY CLOUDS PRECLUDE OBSERVATION	2451N 10231E	Ø496		11-
OF PREVIOUSLY REPORTED PLANTS.  LING-YUN AREA, ROAD IMPROVEMENT NEWLY IMPROVED, 2-LANE, GRAVEL ROAD OBSERVED EXTENDING NORTH THROUGH MOUNTAINOUS TERRAIN FROM LING-YUN TO CHIA-YU-HSU (24-29N 106-38E) AND EXTENDING NW FROM CHIA-YU-HSU TO LUNG-TIEN	2421N 10634E	0496		38-1
(24-36N 106-29E).  CHIA-YU-HSU AREA, ROAD IMPROVEMENT NEWLY IMPROVED, 2-LANE, GRAVEL ROAD OBSERVED EXTENDING ENE FROM 24-29N 106-38E TO 24-34N 106-49E.	2429N 10638E	Ø496		38
CHIA-YU-HSU AREA, ROAD  NEW, 2-LANE, GRAVEL ROAD OBSERVED EXTENDING SSE FROM 24-32N 106-45E TO 24-24N 106-49E.	2432N 10645E	Ø496		38-
KUN-MINGLAO KAY, RAILROAD LINE RAILROAD LINE OBSERVED FROM 24-57N 102-56E TO LIMIT OF PHOTOGRAPHIC COVERAGE AT 23-11N 103-43E. ITEMS OF INTEREST AND LOCATIONS ARE AS FOLLOWS	2504N 10241E	ø496 25	5X1	11-

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City, Installation	Coordinates	tes WAC		Installation Numbers		
5.7,	223.4114			BE	NPIC	
TRAIN MOVING SOUTH AT 24-23N 103-06E WITH 15						
GONDOLA/BOX CARS, TRAIN MOVING SOUTH AT						
24-12N 103-08E WITH 16 GONDOLA/BOX CARS, TRAIN						
MOVING SOUTH AT 23-30N 103-25E WITH ONE BOX						
AND 14 GONDOUA CARS, RAILROAD YARD AT				i		
24-57N 102-57E WITH 5 TRACKS AND 6 GONDOLA AND 4 BOX CARS, RAILROAD YARD AT 24-59N 103-01E						
WITH 4 TRACKS AND 12 PROBABLE GONDOLA CARS,						
RAILROAD YARD AT 24-58N 103-04E WITH 5 TRACKS		-				
AND 16 GONDOLA AND ONE BOX CAR, REPAIR YARD AT						
24-55N 103-08E WITH 6 TRACKS, 13 GONDOLA CARS,						
38 BOX CARS, AND 6 LOCOMOTIVES, RAILROAD YARD						
AT :24-51N 103-08E WITH 3 TRACKS AND ONE			1			
GONDOLA CAR, RAILROAD YARD AT 24-48N 103-08E WITH 2 TRACKS AND 8 GONDOLA AND 9 PROBABLE						
GONDOLA CARS, RAILROAD YARD AT 24-25N 103-04E						
WITH 2 TRACKS AND 13 PROBABLE GONDOLA CARS,			l			
RAILROAD YARD AT 24-14N 103-06E WITH 4 TRACKS						
AND 2 GONDOLA AND 12 BOX CARS, RAILROAD YARD						
AT 24-00N 103-10E WITH 4 TRACKS AND 9 FLAT						
AND 4 GONDOLA CARS, RAILROAD YARD AT						
23-52N 103-11E WITH 3 TRACKS AND 3 BOX, 9 GONDOLA, AND ONE FLAT CAR, RAILROAD YARD AT						
23-52N 103-11E WITH ONE TRACK AND 3 BOX AND 9						
FLAT CARS, RAILROAD YARD (COAL MINING		1				
OPERATION) AT CHUANG-HU AND 23-49N 103-11E						
WITH 3 TRACKS AND 23 GONDOLA CARS, KAI-YUAN		1				
COMPLEX RAILROAD YARDS AT 23-42N 103-14E WITH						
300 GONDOLA/FLAT/BOX CARS, AND LAO-MI-TA-II						
RAILROAD YARDS AND SHOPS AT 23-15N:103-22E WITH 12 STEAM:ENGINES AND ONE CABOOSE.						
APPRILITY STEAM LENGTHES AND ONE GADOGSES						
SHAN AREA, RAILROAD UNDER CONSTRUCTION	2428N 1	Ø857E	Ø497		36-	
RAILROAD LINE UNDER CONSTRUCTION OBSERVED FROM		ŀ				
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City, installation	Coordinates	WAC -	Installation Numbers	
Crty, sisterior	200101111103		BE	NPIC
24-33N 108-55E TO 24-28N 108-57E.  HAN-KOU AREA, RAILROAD SPUR U/C  NEW, DOUBLE-TRACK RAILROAD SPUR UNDER  CONSTRUCTION OBSERVED EXTENDING SOUTH FROM  STARTING POINT AT SMALL RAILROAD YARD (25-15N  117-31E) TO HAN-KOU AND FROM HAN-KOU EXTENDING ENE 9.8 NM TO LIMITS OF PHOTOGRAPHY IN	2513N 11732E	Ø498		113
TUNG-LO AREA, RAILROAD SPUR APPARENTLY SERVICEABLE RAILROAD LINE OBSERVED FROM 22-29N 107-46E TO END OF LINE AT 22-24N 107-41E. RAILROAD LINE PROBABLY SERVES MINING OPERATION AT SITE OF PREVIOUSLY REPORTED TUNG-LO AREA, MILITARY	2224N 10741E	Ø615		32-
DEPOT/BARRACKS.  LIU-CHOUNAN-NINGDONG DANGLANG SON, RR OPERATIONAL RAILROAD LINE OBSERVED FROM 22-46N 108-06E TO 22-50N 108-24E AND FROM 22-06N 106-52E TO 22-32N 107-43E. ON SEGMENT FROM 22-06N 106-52E TO 22-32N 107-43E, 2 MOVING TEAINS OBSERVED, ONE COMPRISING ENGINE AND 3 UNIDENTIFIED CARS AT	2249N 1Ø819E	0615		14-
22-07N 107-00E HEADING WEST TOWARD CHINA-NORTH VIETNAM BORDER AND THE OTHER COMPRISING ENGINE, 10 PROBABLE BOX CARS, AND 3 PROBABLE GONDOLA CARS AT 22-11N 107-06E HEADING EAST AWAY FROM CHINA-NORTH VIETNAM BORDER. ON SEGMENT FROM 22-46N 108-06E TO 22-50N 108-24E, 63 PASSENGER CARS, 33 FREIGHT CARS,		25	5X1	

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	C 11 .	WAC	Installatio	n Numbers
City, Installation	Coordinates	WAC	BE	NPIC
49 TANK CARS, AND 56 GONDOLA CARS OBSERVED IN NAN-NING RAILROAD CLASSIFICATION YARD, AND APPROXIMATELY 14 UNIDENTIFIED CARS OBSERVED ON SMALL SIDING AT 22-45N 108-11E.				
CHINA-LADS-NORTH VIETNAM, BORDER APPROXIMATELY 5 NM OF ROAD CONSTRUCTION ORIENTED GENERALLY E/W OBSERVED FROM APPROXIMATELY 22-44N 101-54E TO 22-47N 101-46E.	2225N 1Ø2Ø8E	Ø616		5-H
LUNG-TUNGKOU-CHIEH-TZU AREA, ROAD  NEW ROAD, ORIENTED GENERALLY N/S, OBSERVED FROM APPROXIMATELY 3 NM NE OF LUNG-TUNG (22-27N 102-47E) TO LIMIT OF PHOTOGRAPHIC COVERAGE AT 23-30N 102-50E. ROAD APPEARS COMPLETED EXCEPT FOR SEGMENT UNDER CONSTRUCTION FROM 22-57N 102-47E TO 23-12N 102-51E.	2257N 10247E	Ø616		50
MI-HU-LAOS BORDER, ROAD  NO CONVOYS OR CONSTRUCTION ACTIVITY APPARENT ON ROAD OBSERVED FROM MI-HU TO CHINA-NORTH VIETNAM BORDER AND FROM THERE TO APPROXIMATELY 19 NM SOUTH OF BORDER AT BAN PA XA (NORTH VIETNAM).	225ØN 10315E	Ø616 25	5X1	13-A

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Stry, institution	Coordinates	"AC	BE	NPIC
YANG-WU-PA AREA, ROADS  APPARENTLY NEW, 2-LANE, GRAVEL ROAD  EXTENDING GENERALLY EAST FROM YANG-WU-PA  OBSERVED FROM YANG-WU-PA FOR APPROXIMATELY  12 NM.TO 23-52N 102-20E.  TWO APPARENTLY NEW, 2-LANE, GRAVEL ROADS  EXTENDING GENERALLY NORTH FROM YANG-WU-PA	2355N 10209E	Ø <b>61</b> 6		46
OBSERVED, ONE FROM YANG-WU-PA FOR APPROXIMATELY 12 NM:TO 24-Ø5N 1Ø2-11E AND THE OTHER FROM YANG-WU-PA FOR APPROXIMATELY 13 NM TO 24-Ø4N 1Ø2-Ø3E.  NIU-PENG-TU-MA-CHAI, ROAD TWO-LANE GRAVEL ROAD OBSERVED EXTENDING SW FROM NIU-PENG (23-ØØN 1Ø3-25E) TO TU-MA-CHAI (22-56N 1Ø3-15E). THREE-SPAN HIGHWAY BRIDGE UNDER CONSTRUCTION OBSERVED ACROSS THE YUAN CHIANG (RED RIVER) AT 23-Ø1N 1Ø3-2ØE.	2300N 10325E	Ø616		48
NEN-SHAN AREA, IMPROVED ROAD  NEWLY IMPROVED, 2-LANE, GRAVEL ROAD EXTENDS  FROM 23-23N 104-12E (2.5 NM WNW OF WEN-SHAN)  TO 23-15N 104-06E (10.5 NM SW OF WEN-SHAN).	2308N 10412E	Ø616		27-
NA-LUNGCHOU-YANG, ROAD.  APPARENTLY COMPLETED, ALL-WEATHER,  SINGLE-LANE, PROBABLY CRUSHED ROCK ROAD,  ORIENTED GENERALLY E/W, OBSERVED FROM VICINITY  OF NA-LUNG (23-14N 104-57E) TO WHERE IT JOINS WEN-SHANHA GIANG (NORTH VIETNAM) ROAD IN	2314N 10457E		5X1	17

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City, Installation	Coordinates	WAC	BE	NPIC
VICINITY OF TUNG-CHAN (23-13N 104-39E). NO VEHICLES OBSERVED. SINGLE-LANE, 3-SPAN, DECK-TYPE HIGHWAY. BRIDGE OBSERVED ACROSS UNNAMED STREAM 4 NM WSW OF NA-LUNG AT 23-13N 104-54E, AND ANOTHER SINGLE-LANE BRIDGE OF UNDETERMINED LENGTH OBSERVED ACROSS CHOU-YANG-TA CHIANG (RIVER) IMMEDIATELY SOUTH OF TUNG-CHAN AT 23-13N 104-39E.  FU-NING-TIEN-PENG, ROAD NEW, COMPLETED, PROBABLE 2-LANE, ALL-WEATHER, CRUSHED ROCK ROAD EXTENDING GENERALLY SSW FROM FU-NING (23-37N 105-37E) OBSERVED FOR APPROXIMATELY 30 NM TO TIEN-PENG (23-18N 105-27E), APPROXIMATELY -5 NM EAST OF	2337N 1Ø537E	Ø616		21
PA-YAO AREA, DAM UNDER CONSTRUCTION ONE NM SW OF PA-YAO. LARGE EARTH-FILL DAM IN LATE STAGES OF CONSTRUCTION WITH SPILLWAY UNDER CONSTRUCTION AT EAST END OBSERVED.	2319N 1Ø619E	Ø616		19
STORAGE  KUN-MING AREA, STORAGE FACILITIES  4 NM EAST OF KUN-MING.  TWO ADJACENT SECURED STORAGE AREAS OBSERVED,  ONE WITH 12 VERTICAL STORAGE TANKS, 8  ASSOCIATED BUILDINGS, AND OPEN STORAGE, AND THE OTHER WITH 2 SMALL REVETTED AND 7	2502N 10247E	Ø496	5X1	21-

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Installation Numbers City, Installation Coordinates WAC NPIC ASSOCIATED BUILDINGS. 25X1 TSAO-CHIAO-TSUN AREA, EXPLOSIVES STORAGE 2503N 10303E Ø496 23-A 4 NM NNE OF TSAO-CHIAO-TSUN. ROAD-SERVED EXPLOSIVES STORAGE AREA CONTAINS 11 STORAGE BUILDINGS AND ONE ADMINISTRATIVE/ SUPPORT BUILDING. 25X1 YANG-LIN AREA, POL STORAGE 2513N 10308E 0496 17-A 4.5 NM EAST OF YANG-LIN. RAIL-SERVED STORAGE AREA CONTAINS 20 SEMIBURIED TANKS. SUPPORT AREA OBSERVED IMMEDIATELY NORTH OF STORAGE AREA. 25X1 LIU-CHOU AREA, EXPLOSIVES STORAGE AREA NO 2 2421N 10918E 0497 17-C 6 NM WNW OF LIU-CHOU. SECURED EXPLOSIVES STORAGE AREA CONTAINS 11 REVETTED STORAGE AND 16 UNREVETTED STORAGE BUILDINGS. SUPPORT AREA WITH 12 BUILDINGS OBSERVED IMMEDIATELY NORTH OF STORAGE AREA. 25X1 LIU-CHOU AREA, EXPLOSIVES STORAGE AREA NO 1 2425N 10909E Ø497 17-B 14 NM WNW OF LIU-CHOU. SECURED EXPLOSIVES STORAGE AREA CONTAINS 6 STORAGE BUILDINGS. 25X1 SHU-CHANG, PROBABLE SUPPLY AND STORAGE AREAS 2001N 11018E Ø615 6-D AREA A (WEST EDGE OF SHU-CHANG AND .5 NM SOUTH 25X1

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NPIC/R-1508/63 Installation Numbers WAC City, Installation Coordinates ВE OF HAI-KOU HARBOR AREA) -- LARGE PROBABLE STORAGE/SUPPLY AREA WITH A TOTAL OF APPROXIMATELY 120 BUILDINGS, INCLUDING STORAGE, ADMINISTRATIVE, BARRACKS, AND MISCELLANEOUS TYPES. AREA B (IMMEDIATELY WSW DE AREA A) --STORAGE AREA WITH A TOTAL OF 29 STORAGE AND MISCELLANEOUS BUILDINGS. AREA C (IMMEDIATELY WSW OF AREA A AND ADJACENT TO AREA BY -- VEHICLE MAINTENANCE AND STORAGE AREA WITH 6 BUILDINGS AND 9 PROBABLE CARGO TRUCKS. 225ØN 1Ø819E Ø615 14-G NAN-NING AREA, STORAGE AREAS AREA A (1.5 NM NW OF NAN-NING) -- ROAD-SERVED. SECURED STORAGE AREA WITH 12 DISPERSED UNREVETTED BUILDINGS. A TOTAL OF 6 SUPPORT BUILDINGS OBSERVED IN AND IMMEDIATELY OUTSIDE SECURED AREA. AREA B (2.5 NM ENE OF AREA A) -- RAIL-SERVED, SECURED STORAGE AREA WITH 19 STORAGE AND 12 SUPPORT BUILDINGS. 23Ø1N 1Ø421E Ø616 23 MA-KUAN AREA, STORAGE AREA .5 NM SOUTH OF MA-KUAN. APPARENTLY NON-MILITARY STORAGE AREA CONTAINS 2 LARGE WAREHOUSE-TYPE BUILDINGS. NO OTHER STORAGE FACILITIES OBSERVED. 2\$X1

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City, Institution	Coordinates	"AC	BE	NPIC
URBAN COMPLEXES  KUN-MING COMPLEX  COMPLEX 90 PER CENT CLOUD COVERED.  NO SIGNIFICANT ACTIVITY OBSERVED IN CLOUD-FREE  AREAS.	25Ø4N 1Ø241E	Ø496	5X1	11
HSIA-MEN (AMOY) COMPLEX COMPLEX, APPROXIMATELY 6 SQ MI IN AREA, INCLUDES RAILROAD YARDS, PORT FACILITIES, MILITARY INSTALLATIONS, SMALL INDUSTRIAL AREAS, AND STORAGE AREAS.	242 <b>7</b> N 118Ø5E	Ø498	5X1	1
CHANG-PING COMPLEX PRIMARILY RESIDENTIAL COMPLEX, LESS THAN ONE SQ MI IN AREA AND SITUATED NORTH BANK OF YEN- SHIH CHI (RIVER), INCLUDES SMALL, 7-TRACK RAILROAD YARD WITH TURNING WYE ONE NM NORTH OF CHANG-PING CONTAINING ONE POSSIBLE ENGINE AND 33 BOX, 8-10 TANK, 20 GONDOLA, AND 18 FLAT	2518N 11724E			8
YUNG-AN COMPLEX COMPLEX ON THE SHA-CHI CHIANG (RIVER), APPROXIMATELY 1.2 SQ MI IN AREA, INCLUDES RAILROAD YARD AND SHOPS, MINOR INDUSTRIES, AND STORAGE FACILITIES. RAIL-SERVED POL STORAGE AREA WITH 5 REVETTED TANKS OBSERVED 2 NM EAST OF YUNG-AN.	2559N 11721E			52-

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City, Installation	Coordinates	WAC	Installation Numbers	
	<u> </u>		BE	NPIC
HAI-KOU COMPLEX COMPLEX, APPROXIMATELY 5 SQ MI IN AREA,	2002N 1102i		X1	6
INCLUDES SEVERAL UNIDENTIFIED LIGHT INDUSTRIES IN HAI-KOU, MILITARY BARRACKS AREA IN HAI-KOU WITH SEVERAL BARRACKS-TYPE AND STORAGE BUILDINGS, MILITARY BARRACKS AREA ON SE EDGE OF HAI-KOU WITH APPROXIMATELY 130 BUILDINGS, LARGE MILITARY SUPPLY DEPOT APPROXIMATELY 1.5 NM SW OF HAI-KOU WITH APPROXIMATELY 230 MISCELLANEOUS BUILDINGS, AND POSSIBLE MILITARY STORAGE AREA ON NORTH SIDE OF SMALL ISLAND WEST OF HAI-KOU WITH A TOTAL OF APPROXIMATELY 50 STORAGE, ADMINISTRATIVE, AND MISCELLANEOUS BUILDINGS AND 2 SMALL PIERS. SEVERAL SMALL PIERS AND NUMEROUS SMALL CRAFT OBSERVED ALONG WATERWAY NORTH OF HAI-KOU.		25	5X1	
NAN-NING COMPLEX COMPLEX, APPROXIMATELY 12 SQ MI IN AREA, COMPRISES NUMEROUS LIGHT INDUSTRIES, CHEMICAL PROCESSING PLANT UNDER CONSTRUCTION WITH SMOKE EMITTING FROM ONE STACK, RAILROAD CLASSIFICATION YARDS WITH 63 PASSENGER CARS, 33 FREIGHT CARS, 49 TANK CARS, AND 56 GONDOLA CARS, AND NUMEROUS BARRACKS AREAS IN NW SECTOR OF COMPLEX. DECK-TYPE, 7-SPAN, PROBABLY CONCRETE HIGHWAY BRIDGE UNDER CONSTRUCTION CROSSES YU CHIANG (RIVER) AT 22-48-30N:108-18-40E. SMALL: BOATYARD WITH BUILDING WAYS AND MARINE RAILWAYS OBSERVED SOUTH OF COMPLEX ON YU CHIANG (RIVER).	2249N 1Ø819	PE Ø615		14
TO CHIARO TRIVERYS.			5X1	

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NPIC/R-1508/63 Installation Numbers WAC Coordinates City, Installation NUMEROUS SMALL CRAFT OBSERVED ON YU CHIANG 25X1 (RIVER). Ø616 12-A KAI-YUAN COMPLEX 2342N 1Ø314E INDUSTRIAL AND TRANSPORTATION COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, CONTAINS ONE 9-TRACK AND ONE 7-TRACK RAILROAD YARD, MILITARY SUPPLY DEPOT, SEVERAL SAWMILLS, REFRACTORY-TYPE INDUSTRY WITH SMALL THERMAL POWER PLANT, CHEMICAL PLANT WITH COAL-DERIVED GAS GENERATING PLANT CONTAINING 3 LARGE GAS HOLDERS AND PROBABLE DISTILLATION TOWER WITH ASSOCIATED EQUIPMENT, AND SMALL IRON SMELTER IN LATE STAGES OF CONSTRUCTION. LARGE THERMAL POWER PLANT IN SOUTH SECTION 25X1 OF COMPLEX OBSERVED UNDERGOING EXPANSION. 2322N 10415E Ø616 27 WEN-SHAN COMPLEX WEN-SHAN COMPLEX COMPRISES TOWN OF WEN-SHAN (LESS THAN ONE SQ MI IN AREA) CONTAINING A FEW SMALL LIGHT INDUSTRIES AND LARGE MILITARY COMPLEX ON WEST EDGE OF TOWN WITH APPROXIMATELY 160 BARRACKS AND 75 ASSOCIATED BUILDINGS. -NORTH VIETNAM-25X1 AIR INSTALLATIONS LAO KAY AIRFIELD 2229N 1Ø358E Ø616 5-A 25X1 ONE NMISSE OF LAD KAY.

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City, Installation	Coordinates	WAC	Installation Numbers	
City, installation	Coolamata		BE	NPIC
2,800 X 550 FT NW/SE SOD RUNWAY, SERVICEABLE.  AIRCRAFT NONE OBSERVED.  PHONG THO AIRFIELD.  NE EDGE OF PHONG THO.  2,500 X 160 NW/SE SOD RUNWAY WITH BRUSH  OVERGROWTH ON NW END AND ROADS TRAVERSING  CENTER OF RUNWAY OBSERVED. AIRFIELD  UNSERVICEABLE AND APPARENTLY ABANDONED.	2232N 10321E		5X1	491
MILITARY/NAVAL INSTALLATIONS  LAD KAY AREA, MILITARY COMPLEX  1.5 NM SSE OF LAD KAY.  SMALL, PARTIALLY SECURED POSSIBLE MILITARY  AREA CONTAINS ONE ADMINISTRATIVE, 2 BARRACKS-  TYPE, AND 2 SMALL SUPPORT BUILDINGS. NO  VEHICLES OR EQUIPMENT OBSERVED IN AREA.	2228N 10358E	Ø616		5-1
LANG NHON AREA, BARRACKS AREA  1.4 NM NW OF LANG NHON.  SECURED AREA CONTAINS 5 BARRACKS AND ONE ADMINISTRATIVE AND 4 SUPPORT BUILDINGS.  BASIC SERVICES	2226N 10400E	Ø616		328-
LAD KAY-LADS BORDER, ROAD  NO MILITARY OR CONSTRUCTION ACTIVITY APPARENT ON SEGMENTS OF GENERALLY NE/SW ROAD OBSERVED FOR APPROXIMATELY 12 NM FROM LAD KAY TO CHA PA (NORTH VIETNAM).	2231N 1Ø359E		5X1	5~

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
CHAO KIADNA MADONG VAN, ROAD  NEW, PROBABLY SINGLE-LANE, CRUSHED ROCK ROAD  UNDER CONSTRUCTION EXTENDING GENERALLY NE  OBSERVED FROM NA MA (23-Ø7N 1Ø5-Ø8E) FOR  APPROXIMATELY 17 NM TO DONG VAN (23-16N  1Ø5-22E), 2 NM WSW OF THE NORTH VIETNAM-CHINA  BORDER.	23Ø9N 1Ø5Ø2E	Ø616		384
URBAN COMPLEXES		2	5X1	
AD KAY COMPLEX COMPLEX, TRANSPORTATION CENTER ON YUAN CHIANG	2231N 10359E	Ø616		5
(RED RIVER) AT THE NORTH VIETNAM-CHINA BORDER AND LESS THAN ONE SQ MI IN AREA, INCLUDES THERMAL ELECTRIC POWER PLANT, RAILROAD YARD WITH APPROXIMATELY 50 RAILROAD CARS, AND SMALL BARRACKS AND STORAGE AREAS.				
ANG NHON COMPLEX  COMPLEX, LESS THAN ONE SQ MI IN AREA, INCLUDES  A LARGE NON-MILITARY HOUSING AREA, SMALL  STORAGE AREA, AND RAILROAD YARD WITH TURNING	2225N 10402E	Ø616		328-
WYE.				
·				
		2	5X1	

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# SECTION II

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH REFLECT NO CHANGE IN FACILITIES FROM PREVIOUS TARGET DESCRIPTION. THE MISSION NUMBER SHOWN ON THE PHOTO REFERENCE LINE (E.G., NAC 9000) REFERS TO THE MCI WHICH CONTAINS THE MOST ADEQUATE DESCRIPTION OF THAT TARGET. MILITARY INSTALLATIONS WHERE NO ORDER OF BATTLE CAN BE DETERMINED ARE LISTED UNDER THIS SECTION.

		WAC	Installati	on Numbers
City, Installation	Coordinates	WAC	BE	NPI
-CHINA-		25>	<b>&lt;</b> 1	
AIR INSTALLATIONS FORT BAYARD AIRFIELD	2113N 11020E	Ø615		1
TAN-CHU AIRFIELD	2329N 11Ø32E	Ø615		19
MENG-TZU AIRFIELD	2321N 1Ø325E	Ø616		7
MILITARY/NAVAL INSTALLATIONS  KUN-MING AREA, MILITARY GARRISON	2500N 10247E	Ø496		11
KUN-MING AIR FORCE DEPOT	25Ø1N 1Ø244E	Ø496		11
CHEN-HAI CHIAO (CAPE) MILITARY ACTIVITY	2416N 118Ø6E	Ø498		11
TA-MAD-WEI, MILITARY INSTALLATION	2256N 11418E	Ø614		28
KUEI-TAN AREA, BARRACKS AREAS SOUTHWEST	2300N 11555E	Ø614		57
MI-HU MILITARY COMPLEX	2247N 1Ø314E	Ø616		13
	<b>┙</b>	25>	(1	

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City, Installation	Coordinates	WAC	BE	NPIC
	1		1	
BASIC SERVICES  KUN-MING THERMAL POWER PLANT YANG-TSUNG HAI  STORAGE	2458N 10301E	Ø496	25X1	11-1
TA-LAN AREA, REVETTED STORAGE AREA	2308N 11301E	Ø614		81
LIU-CHOU COMPLEX	2418N 10924E	Ø497	25X1 25X1	17
CHAN-CHIANG (FORT BAYARD) COMPLEX	2112N 11Ø23E	Ø615	25/1	1

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# SECTION III

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH COULD BE IDENTIFIED BUT NOT INTERPRETED.

On the Hart	Coordin		WAC	Installation	Number
City, Installation	Coordin			BE	NP
-CHINA- AIR INSTALLATIONS				25X1	
PAI-SE AIRFIELD	2353N	1Ø639E	Ø616		8
MILITARY/NAVAL INSTALLATIONS  LIEN-TUNG MILITARY INSTALLATION	2251N	11419E	Ø614		28
KUEI-TAN AREA, BARRACKS AREA SOUTHEAST	23Ø2N	116Ø4E	Ø614	25X1	57
SHAN-TOU ARMY BARRACKS LIEN-TANG	2327N	11635E	Ø614		37
TU-LUNG-HSIN-CHIEH, MILITARY CAMP  ELECTRONICS/COMMUNICATIONS	2254N	1Ø431E	9616		25
AN-NING HE COMMUNICATIONS STATION	2453N	1ø229E	Ø496		27
AN-NING IRON AND STEEL PLANT KUN-MING	2454N	1Ø229E	Ø496	25X1	27
YUNG-AN AREA, ORE PROCESSING PLANT	26Ø2N	11719E	Ø498		52

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2456N	10309E 10229E 10639E	Ø616 Ø496 Ø616	BE	4 27 8-
2456N 2357N	10229E 10639E	Ø496		27
2357N	1Ø639E			
		Ø616		8-
23Ø7N				
	1Ø443E	Ø616 2	5X1	24
2455N	10229E	Ø496		27-
			25X1	
22Ø3N	1Ø3Ø9E	Ø616	20/(1	118
2239N	10616E	9616		104
		_	2239N 10616E 0616	25X1 22Ø3N 1Ø3Ø9E Ø616

32

			Installatio	n Numbers
City, Installation	Coordinates	WAC	BE	NPI
MILITARY/NAVAL INSTALLATIONS	207111 1931	ur		118-
LAI CHAU; MILITARY CAMP	22Ø4N 1Ø319			322
SA CHAI AREA, MILITARY CAMP	2223N 1Ø319			
HA GIANG, MILITARY COMPLEX INDUSTRY	2249N 1Ø45	DE   Ø616		417
LANG VACH AREA, MINING ACTIVITY	2225N 1Ø4Ø	2E Ø616		331
HA GIANG-CHINA BORDER, ROAD	2249N 1045	9E Ø616		417
URBAN COMPLEXES			25X1	
CAO BANG COMPLEX	224ØN 1Ø61	5E Ø616		194

33

25X1

# SUBJECT INDEX

THIS INDEX PROVIDES A LISTING OF ALL TARGETS CONTAINED IN SECTIONS I, II AND III. THE INDEX IS ARRANGED 1) BY CATEGORY, 2) BY COUNTRY WITHIN EACH CATEGORY, AND 3) ALPHABETICALLY BY PLACE NAME WITHIN EACH COUNTRY.

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AN-NING COMPLEX

HAI-KOU COMPLEX

KAI-YUAN COMPLEX

KUN-MING COMPLEX LIU-CHOU COMPLEX

NAN-NING COMPLEX

CHANG-PING COMPLEX

HSIA-MEN (AMDY) COMPLEX

CHAN-CHIANG (FORT BAYARD) COMPLEX

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#### **APPENDIX**

## EXPLANATION OF COLUMN HEADINGS, PHOTO REFERENCE DATA AND CONDITIONS AFFECTING PHOTOGRAPHY

### COLUMN HEADINGS

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

<u>Coordinates</u> -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

<u>WAC</u> -- This column provides the World Aeronautical Chart number for the area in which the subject installation is situated.

<u>Installation Numbers</u> -- This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the installation. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0492-1 and an NPIC target number 0493-1. In each instance, the NPIC installation number is 1, but the installations appear on different WAC charts.

### PHOTO REFERENCE DATA

The photo reference data indicates the frame(s) on which the installation appears.

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### CONDITIONS AFFECTING PHOTOGRAPY

Following the photo reference data, symbols indicate conditions which affect the appearance of the installation on the photography. The symbols are: C (clear); SC (scattered clouds); HC (heavy clouds); SC-HC (scattered-to-heavy clouds); H (haze); CS (cloud shadow); D (darkness); SD (semidarkness); O (obliquity); S (snow); and PQ (poor image quality).

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